

ETC FRAME BUFFER

1979 CAT buffer designed by Robert Flexer. With Cromemco computer

1982-86 NYSCA funding for Jones Buffer; funded as individual artists' projects to Peer Bode:

81- 81 \$ 8,482

85-86 \$ 6,000

1984.02 box, file 1: Bode buffer

065 1990-91 NYSCA Proposal: Bode and Jones Color Buffer

068 Image Processing Manual Xerox Master 3/86 2394 etcimageprocessingmanualmaster_2394.pdf
AND etcdigitalcatmaster_2502.pdf

068 Revisions to above

We continued to refine the relationship between artist and computer. The General Purpose Interface Board interfaced analog imaging equipment with an 8-bit computer, allowing manually-changed knob settings to be "remembered" and repeated digitally. We employed existing digital systems from the CAT Buffer to the Amiga computer, which offered a glimpse into the future of digital moving image works.

--- HALLMARKS of ETC Hocking.doc

Interview with Gary Hill and Kathy High.docx

Peer Bode_ Kathy High_ Mona Jimenez_2012.doc

Schlanger_vsynths_2746_EditedSMH.docx

Hank Rudolph-Mona Jimenez-Kathy High_2811_HockingEdit.doc

DAVE JONES INTERVIEWKathyMona.doc

HockingRalphGuggenheim80computerlanguage.doc

ETCToolSystemHistorySW.doc

Athena Questions: Documentation

<http://www.experimental-tv-center.org/jones-and-brewster-documentation-frame-buffer-and-d7a-input-output>
biblio 2379- no scanned doc.

Jones and Brewster Documentation (Frame Buffer and D+7A Input/ Output). Frame Buffer Memory Board (Membuf) (pp. 1-3 of 3, Parts List- 08.1984). Color Channel (Colorchan-1) (pp. 1-6 of 6, 06.11.1984). Voltage Controlled Amplifier (VCA) for Keyer (2 copies). Buffer Input/ Output (Buf I/O) (pp. 1-9 of 9, 03.28.1984, Parts List- 08.1984). Analog- Digital- Analog (A-D-A) Board (pp. 1-13 of 13, 11.1983, Parts List- 08.1984). Pages follow: Block Diagram, Voltage Regulators, Timing Control, Bus Control, Analog- Digital Prep., Reference Generator, Analog- Digital Converter, Analog- Digital Mux, Comparitor Prep., Comparitor, Comp. Mux, Digital- Analog Mux, and Digital- Analog. Add. Generator (pp. 1-6 of 6, 05.20.1984, Parts List- 08.1984). A note to Sherry Hocking from Dave Jones. Priority List by Dave Jones. Circuit Diagrams and extra templates. Brewster packet follows: Extension for Cromemco D+7A Input/ Output Board (09.1979): "D" Connector Designation, D+7A I/O Extension Cable, Wiring Table (Digital Input, 03.1980), DO Point to Point Wiring List (03.1980), Version 1 (Black) Board Layout, Parts List, Analog Input Mux Board (02.1982, revised by Brewster 06.1982), and Digital Input Board (02.82- Brewster, revised 06.82- Jones).

Experimental Television Center D+7A Input/ Output Extension Boxes Built by Rich Brewster abridged User's Manual includes Introduction, Analog Input, Analog Output, Reset, Digital Input, Digital Output, and Joysticks (3 pages). Extension for Cromemco D+7A Input/ Output Board by Brewster (09.1979) includes Notes, Digital Input/ Output Schematics, and Analog Input/ Output Schematics. Version 2 (White) Board Layout (03.1980). Power Supply (03.80). Schematics for Version 2 Analog Inputs/ Outputs and Digital Inputs/ Outputs (10.1979). Version 2 Joystick Buffers and Touch Switches (03.80). Ralph's Input/ Output Box, Version 1, Digital Wiring: RTO and RTI (03.1980).

<http://www.experimental-tvcenter.org/jones-frame-buffer-schematics>

2378

Jones Frame Buffer Schematics (pp. 1-9 of 9, 2 copies, 03.28.1984).

<http://www.experimental-tvcenter.org/schematics-and-notes-regard-first-jones-frame-buffer-matthew-schlanger-peer-bode-11-pages>

Schematics and notes in regard to First Jones Frame Buffer from Matthew Schlanger to Peer Bode.

Bib 1362

<http://videohistoryproject.org/cat-100-c-frame-buffer-d-board-and-board-schematics>

1356 Micrographics CAT-100 Graphics Software Operator's Manual Computer Print-out from disk with detailed description of commands (20 pages)

1357 Digital Graphic Systems CAT-100- A Complete Color Imaging System on Two S-100 Boards with Video Frame Grabber; Graphics Routines for the CAT-100 Version 3.0 (15 pages both sides)

1361 Subroutine Estats, Compiler Definitions, PLOP Error Codes for CAT-100 (26 pages)

1368 Digital Video Systems Binder for copies of ETC Frame Buffer User Manual includes: "Lightpen Instructions and Specifications" (2 pages), Warranty and Serial Number (shipped 12/22/80), "Cat-100 User's Manual" (24 pages), "Cat-100 Technical Specifications and User's manual Updates" (2 pages), Product Sales Sheet and Technical Specifications, "Cat-100 User's Manual June 1979" (16 pages), Software Release #4 June 1979, "Graphic Routines for the Cat-100 Version 3.0" by Christopher L. Morgan, "Cat-100 Graphics Routines" (12 pages)

1440 The Cat-100 Computer Assisted Television System for the S-100 Bus Technical Specifications Product Sheets, descriptive sales letter by J. Robert Flexer of Digital Graphic Systems, Price List, 2 copies of 17 page "Technical Specifications Cat-100/C Computer Assisted Television System with Color Output", computer printout of manual- "Micrographics CAT-100 Graphics Software", 9 page "CAT-100 Graphics Routines". (Indicates that the version written in Basic will draw 11 points per second, in Fortran, 300 points per second, Assembly language 11,500 points per second.) User's Manual for Cat-100, Short Form Catalog- 1980, Copy of Sales Invoice- payment on 1/7/80 with shipment on 12/22/80, Copy of Technical specifications with hand-drawn annotations by Don McArthur, Hand-drawn connector diagram by Dave Jones, Sales Brochure on Cat 1600 Series, 2 copies of User's Manual for CAT Serial Number #244 including remote control contrast unit; CAT Schematics

1471 Various CAT-100 software drivers including Bitdisk.asm, catdisk.asm, chunkp, cog, conpot, flash, fnd256, getpnt, grtst2, gtbbt, initb, initb2, pinit(initb3), modloo, movtob, movtoc, sketch, sketch2, strobe. Written by David Jones.

1506 Digital Video Systems Schematics for CAT-100/C D Board Rev. 5- 6/29/80; CAT-100/C A Board Rev. 2C- 7/3/80. Copy of CAT-100 Operator Guides.

CAT-100 C Frame Buffer D Board and A Board Schematics Box 233

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Studio Notes: Experimental Television Center. Contents: Types of Signals/ Types of Audio Sources and Methods of Processing/ MIDI Devices, Types of Video Sources and Methods of Processing, Parameters of the Video Signal, Video Routing System: Matrix Switcher/ Patch Bay/ Sample Patch, Sample Video Patch Flow Chart, Audio Patch Bays with Sample Patch, Sample Audio Patch Flow Chart, Keyers 1 and 2: Set-up

and Front Panel, Colorizer Set-up, Eight channel Sequencer: Set-up, Features and Front Panel, Designlab Frame Buffer: Bufpalette Menu, Set-up and Features, Miro Video Capture Board Set-up, Microtime DVE Menu, Microtime DVE Notes (Jonathon Rosembaum), +/- 5 Volt Analog System: Applications/ Types of Modules/ Parameters of a Waveform, +/- 5 V Modules: Voltage-Controllable Oscillators/ Sample and Hold Modules, "Yellow Boxes" Front Panels, Sample +/- 5 V Signal Patch: Colorizer as Voltage-Controlled Mixer, Converting an Audio Signal into a Control Voltage, Oscillators as Video Signals, Korg MS-20 Audio Synthesizer Signal Flow Chart, Mirage Keyboard Sampler: Parameter Chart, and Partial Video Glossary (31 pages, 2 copies).